

Date Nov 9, 1978

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

Office 785-3563  
Home 785-7320

1. Name of Applicant or Company Ralph G. McDonald
2. Proposed type of operation Open Pit. Building Stone
3. (a) Prior Land Use(s) Wild life Range  
(b) Current Land Use(s) Wild life Range  
(c) Possible or Prospective Future Land Use(s) Wild life Range
4. What vegetation exists on the land proposed to be affected Sparse  
stunted Sage - some small grass clumps  
(a) Types and Estimated Percent cover or density: Mostly Rock outcrop - Less than 5% Veg. Cover
5. What is the pH range of soil before mining? 6.8 pH  
Name of Person or Agency and method of determining pH Carlos Lopez, Soil Scientist Colorimetric PH Determinator
6. Site elevation above sea level 6200 - 6300
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) NA
8. Estimated duration of mining operations 10 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics affecting revegetation? Almost all rock-
10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No  
Describe \_\_\_\_\_  
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? ( ) Yes (X) No If yes, describe the quality of water being discharged. \_\_\_\_\_



\* 11. Describe specifically a detailed procedure for:

See  
Amendment

- (a) The mining sequence *Removal of rock slabs & pieces by hand tools*  
(b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades. *Access trail already exists - will only use up to*  
(c) The procedure for site preparation including removing trees and brush. *1 Ton Pickup - No vegetation removal required - Will be working rock outcrop.*  
(d) The method for removing and stockpiling topsoil or disturbed materials. *None to be done*  
(e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials. *None -*  
(f) A procedure for final stabilization of disturbed materials. *Rock to be removed only to natural angle of repose.*

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading. *None required*  
(b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. *None available to spread on site -*  
(c) What type of soil treatment will be utilized. *None*  
(d) The method of drainage control for the final regraded area. *Natural as now exists -*  
(e) Maximum grading slope. *Same as existing -*

TESTING

1. Describe method for testing stability of reclamation fill material.

N.A.

Describe method for the testing of soil that is intended to support vegetation *slight amounts of soil that is on the rocks now will be left in place as rocks are removed - This should concentrate available soil and provide a few more plants over*

2. Describe any soil treatment employed as an aid to revegetation The long run -

3. Describe surface preparation of areas intended to support vegetation:

Leave existing soil with large rocks removed -

REVEGETATION

1. Revegetation to be completed by:

- ☒ Operator  
( ) Soil Conservation District  
( ) Private Contractor  
( ) Other (specify) \_\_\_\_\_

- ( ) Hydroseeding  
( ) Aerial Seeding  
( ) Conventional or Rangeland Drill  
( ) Broadcast and Drag  
(X) Other Hand Seeding where needed



2. Will Mulch be used? ( ) Yes (X) No

Type: \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.

\* 3. Revegetation Plan and Schedule -

See  
Amendment

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Natural regeneration of existing species plus				

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes ( ) No Will vegetation protection be needed? \_\_\_\_\_

Wild life consists of Jack rabbits and birds - Only  
one Deer dropping noticed on the area to be  
disturbed

5. Will irrigation be used: ( ) Yes (X) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Seeding if necessary -



Supplement and Ammendment to Mining  
and Reclamation Plan Form M R - 2

11. a. The rock will be slabbed, using chisels and pry bars, loaded on pallats by hand.
- b. Access road already exists . It is approximately 12 feet wide, has nearly verticle cut banks up to five feet. Road grade is from 5% to 12%. Maintenance will be by hand.
- d. The only top soil available is what is on and between the layers of rock. This soil will be left in place as it falls from the rock.
- f. The soil accumulations will be distributed and seeded. Excessively steep cut banks will be graded back to a 1 : 1 slope where possible.

Revegetation

3. Plant a seed mix of  
Desert Crested Wheatgrass  
Slender Wheatgrass  
Indian Rice Grass  
Yellow Sweet Clover.

Hand broadcast the seed 15 lbs. to the acre. Also hand broadcast a pellet fertilizer in the disturbed area to assist plant growth.

Note: I estimate that total reclamation will require 8 hours with a D-C Cat. 100 lbs of seed and 200 lbs of fertilizer.  
Labor will be provided by the owner and sons.

MR-1

#13 5 acres is the total amount of disturbance expected over the ten year lease. Less than 2 acres will be disturbed in any 12 month period.



STATE OF Utah

COUNTY OF Utah

I, Ralph G. McDonald, having been duly sworn  
depose and attest that all of the representations contained in the foregoing  
application are true to the best of my knowledge; that I am authorized to  
complete and file this application on behalf of the Applicant and this  
application has been executed as required by law.

Signed: Ralph G. McDonald

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this 29<sup>th</sup> day of December, 1978.

Notary Public: La Rena K. Grant

My Commission Expires: July 15, 1980

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES \_\_\_\_\_ (Initial)

NO R.G.McD (Initial)

Sections desired to be maintained as confidential information -

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





BROWN STONE MINE T7S, R1W